

# **National Fire Incident Reporting System**

## **1998 Fall NFIC Conference**

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September 12, 1998

# Agenda

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- **Introductions**
- **System Overview**
- **Beta Test Overview/Results**
- **Implementation Overview**
- **Questions/Comments**

# Agenda

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- **Introductions**

- **System Overview**

- **Beta Test Overview/Results**

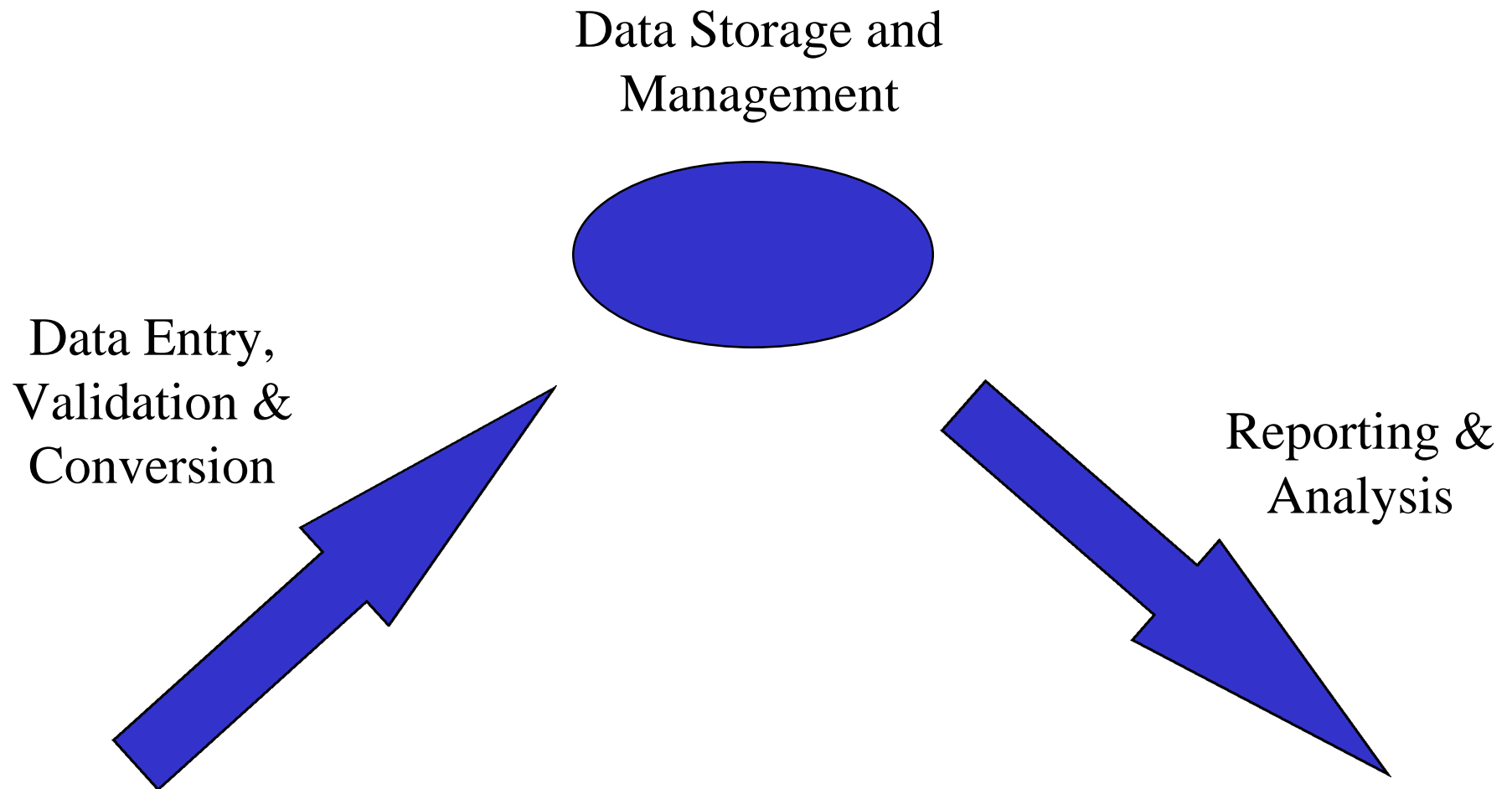
- **Implementation Overview**

- **Questions/Comments**

# System Overview

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**The Fire Incident Reporting Process can be divided into 3 main activities**



# System Overview

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**The NFIRS system is comprised of a number of different components or “tools”, built to address the needs of all users**

## NFIRS System Components



• **Data Entry/Validation/Conversion**



• **System Administration**



• **Program Administration**



• **Reporting**

# System Overview

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The NFIRS system is comprised of a number of different components or “tools”, built to address the needs of all users

## NFIRS System Components



- Data Entry/Validation/Conversion



- System Administration



- Program Administration



- Reporting

# **System Overview - System Admin**

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**The System Admin Tool provides the ability to control access to information**

## **System Admin Tool Functions:**

- **Maintain Child User Groups**
- **Create Users and Assign to User Groups**
- **Assign Permissions to each User**

# System Overview - System Admin

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**User Groups provide the ability to organize Fire Departments into logical groupings**

## **User Group Key Points :**

- **All branches end at a Fire Dept**
- **Users have access to all Fire Depts AT or BELOW their level**
- **Different groups may be created for entry and reporting purposes**
- **Control over groups may be delegated down the user group chain**

The screenshot shows a window titled "User Groups Hierarchy". It features a tree view on the left with the following structure:

- 1: NFIRS USA Users - Development
  - 2: Virginia
    - 57: Fairfax County
    - 68: Loudoun County
    - 70: Prince William County
    - 71: Summerduck County
    - 72: Blacksburg County
    - 73: Orange County
    - 78: Fauquier County
      - 79: Fauquier FD 1
      - 80: Remington FD

On the right side of the tree view, there are three buttons: "Users", "Release", and "Logs". At the bottom right of the tree view is an "Exit" button. Below the tree view, there are "New" and "Save" buttons. At the bottom of the window is a "Group Detail" section with the following fields:

- Group ID: 1
- State Abbr: US
- Parent Grp ID: 0
- FDID: (empty)
- Description: NFIRS USA Users - Development

There is an empty text box at the very bottom of the window.



# System Overview - System Admin

Each User account is assigned to a specific User Group, which determines what information that User can access

## User Key Points :

- Register for user accounts via the NFIRS web-site or manual entry by the System Administrator
- User Accounts must be activated before they can be used
- Each user is assigned to a specific User Group
- Permissions can be controlled on a per user basis

The screenshot shows a window titled "User Maintenance (User Group: 2)". It contains two main sections: "User List" and "User Detail".

**User List**

GrpID	Username	State	Last Name	First Name
2	STEPHENVA	VA	Kimbleton	Stephen
57	CHILL	VA	Hill	Charlie
68	LOUDOUN	VA	County	Loudoun
78	FAUQUIER	VA	County	Fauquier

**User Detail**

Fields for User Detail:

- Username: STEPHENVA
- State: VA
- Group ID: 2
- Status: Active (dropdown)
- First Name: Stephen
- MI: R
- Last Name: Kimbleton
- Phone: (703)555-1212
- E-mail: steve.kimbleton@fema.gov
- Must Change Password: ☐
- Change Password: [button]
- Set Permissions: [button]
- Delete: [button]
- New: [button]
- Save: [button]
- Close: [button]

Additional information on the right side of the User Detail section:

- Last Login: 09/08/1998 14:30.06
- Password Last Changed: 05/03/1998 16:02.48
- # Bad Logins: 0
- Reset Logins: [button]

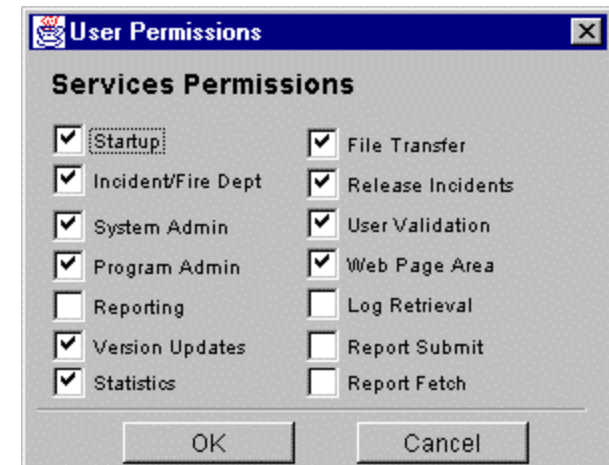
# System Overview - System Admin

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**Each User is assigned specific permissions, which further control the information the User can access**

## **User Permission Key Points :**

- **Control who can see/change specific types information**
  - **Data Entry**
  - **Program Administration**
  - **System Administration**
  - **Submit/Fetch Reports**
- **Information which a User can maintain always limited to User Group**
- **Control may be delegated down the User Group chain using Permissions**



# System Overview

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**The NFIRS system is comprised of a number of different components or “tools”, built to address the needs of all users**

## NFIRS System Components



- **Data Entry/Validation/Conversion**



- **System Administration**



- **Program Administration**



- **Reporting**

# **System Overview - Program Admin**

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**The Program Admin Tool provides a User the ability to maintain information specific to their User Group**

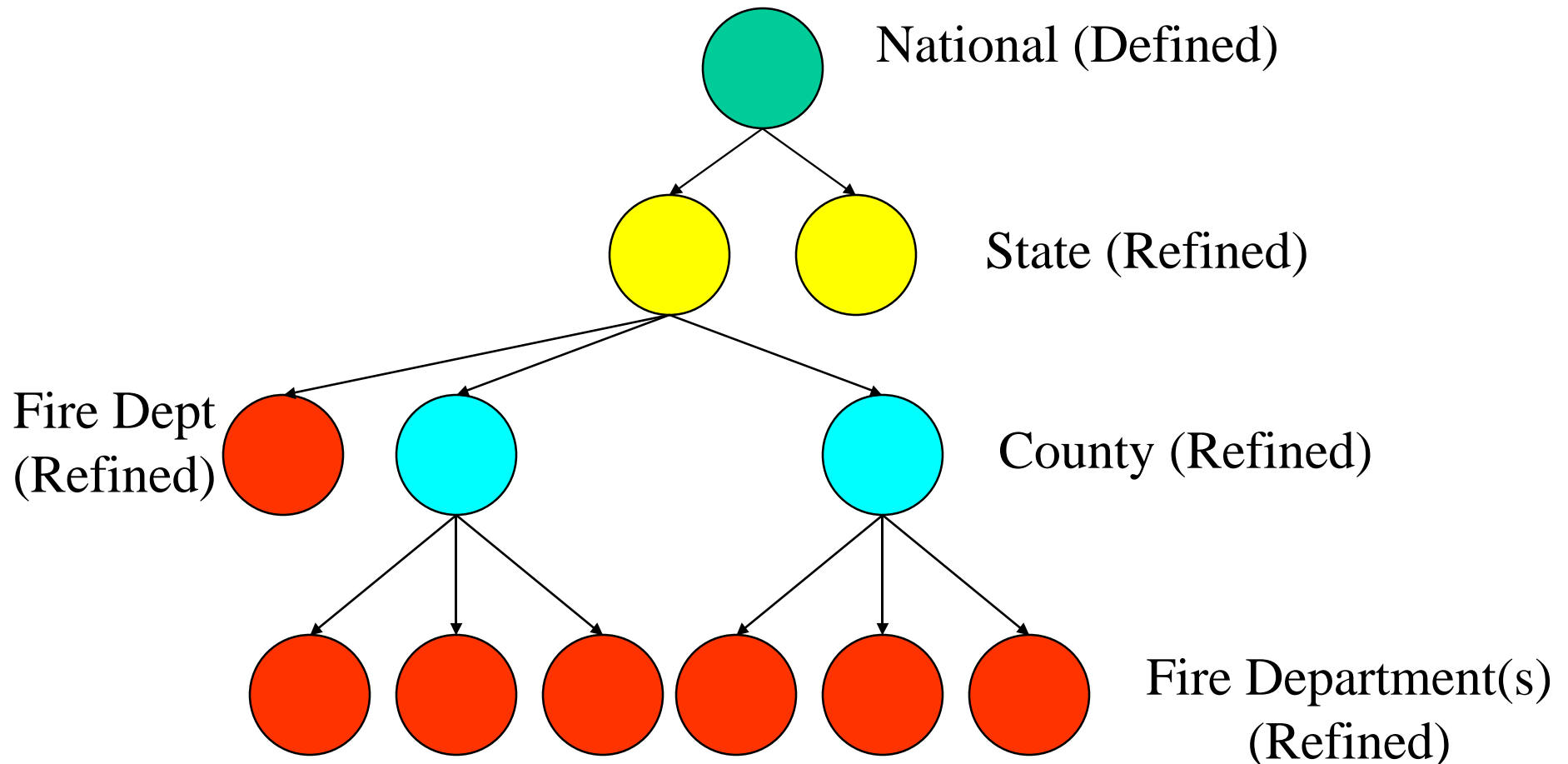
## **Program Admin Tool Functions**

- **User Group Code Sets (Plus-One Codes)**
- **User Group Special Studies**
- **User Group Information Needs**
- **User Group Rules and Actions**

# System Overview - Program Admin

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**All Information entered within the Program Admin tool builds upon the Parent User Groups**



# System Overview - Program Admin

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The Codes Editor allows a User to enter Plus-One codes for their specific User Group

## Program Admin Key Points :

- View information entered in all Parent User Groups
- Maintain information for the users User Group
- Highest User Group Take Precedence

The screenshot shows a window titled "Codes Lookup". It features a tree view on the left with the following structure:

- Incident Type
  - (1) Fire
    - (10) Fire, other
      - (11) Structure Fire
        - (110) Structure fire, other (conversion only)
        - (111) Building fire
          - (1111) Convenience Store Fire (highlighted)
          - (112) Fires in structures other than in a building
          - (113) Cooking fire, confined to container
          - (114) Chimney or flue fire, confined to chimney or flue
          - (115) Incinerator overload or malfunction, fire confined
          - (116) Fuel burner/boiler malfunction, fire confined
          - (117) Commercial Compactor fire, confined to rubbish
          - (118) Trash or rubbish fire, contained

Below the tree view is a form with the following fields and controls:

- Radio buttons for "Numerical" (selected) and "Alphabetic".
- An "Alpha Search" text box with a "Select" button.
- A "Code Value" text box containing "1111".
- A "User Group ID" text box containing "2".
- A "Parent Code" text box containing "111".
- A "Decode Value" text box containing "Convenience Store Fire".
- A "Status" dropdown menu set to "Active".
- Buttons for "New", "Save", "Clear", and "Close".

# System Overview

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**The NFIRS system is comprised of a number of different components or “tools”, built to address the needs of all users**

## **NFIRS System Components**



- **Data Entry/Validation/Conversion**



- **System Administration**



- **Program Administration**



- **Reporting**

# **System Overview - Reporting**

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**The Reporting Tool allows a User to submit and/or fetch reports pertaining to their information**

## **Reporting Tool Functions**

- **Standard and Ad-hoc filter reports**
- **Information limited to user group visibility**
- **All reports run asynchronously (“submit then retrieve”)**
- **Control over who can access a report**
- **Reports may be generated in .PDF or delimited format**







# System Overview

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**The NFIRS system is comprised of a number of different components or “tools”, built to address the needs of all users**

## **NFIRS System Components**

-  ✓ **Data Entry/Validation/Conversion**
-  ✓ **System Administration**
-  ✓ **Program Administration**
-  ✓ **Reporting**

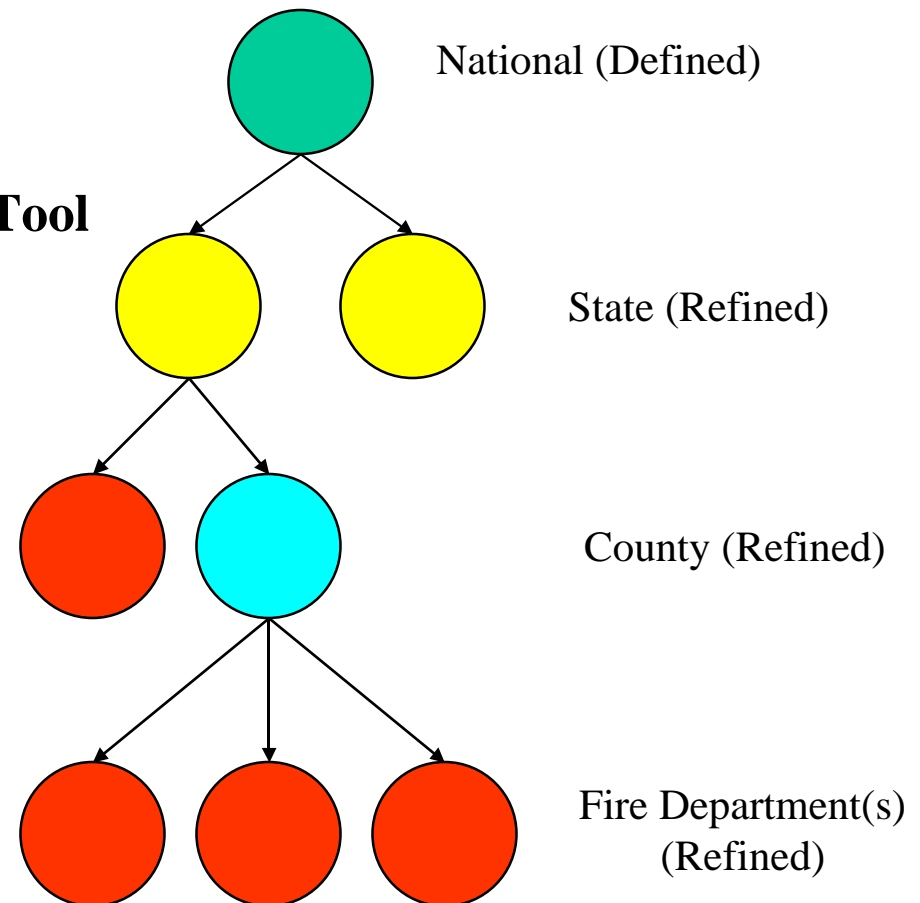
# System Overview - User Group Review

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**User Groups provide the ability to organize Fire Departments into logical groupings**

## **Key Points:**

- **User Groups are a Management Tool**
- **User Groups Control Scope**
- **Permissions Control Tool Access**
- **Program Admin Data Builds Upon Parent Groups**



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- **Questions/Comments**

# **Beta Test Overview**

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**Beta Test was designed with four main objectives**

## **Objectives of Beta Test:**

- **Uncover any system “bugs”**
- **Check the validity of National Edits**
- **Analyze the performance of the system**
- **Prioritize future enhancements to the System**

# Beta Test Overview

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**Beta Test has used an iterative format to gradually increase the capacity and feature set of the system**

## **Steps for each Beta Cycle:**

- **Register Users**
- **Download Software**
- **Entry and Maintenance of Fire Dept and Incident Information**
- **Stress Test**
- **Beta Test Evaluation**
- **Documentation of System Investigation Requests (SIRs)**

# **Beta Test Overview**

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**Upon completion of each Beta Test Cycle, System Investigation Requests are compiled and prioritized**

## **Types of SIRs:**

- **System Fixes or “Bugs”**
- **Edits**
- **Performance**
- **Training Issues**
- **Enhancements**

# Beta Test Results

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**To date, the first 2 cycles of Beta Test have been completed**

## **Cycle 1**

- **One State, 6 Fire Departments**
- **Data Entry Tool Only**
- **Networked Operation**

## **Cycle 2**

- **Two States (PA & MI)**
- **Data Entry Tool**
- **System Administration Tool**
- **Networked Operation**

# Beta Test Results

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The results of each Beta Test Cycle have been incorporated into subsequent releases of the software

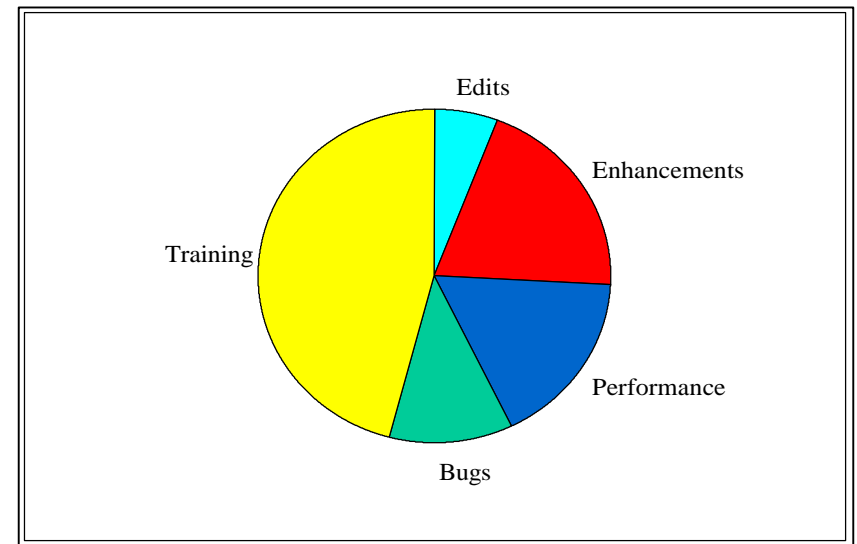
## Beta Test Results - Cycle 1

### System Investigation Requests



### Overall System Evaluation

• Poor	8%
• Satisfactory	42%
• Good	39%
• Excellent	11%





# Beta Test Results

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The results of each Beta Test Cycle have been incorporated into subsequent releases of the software

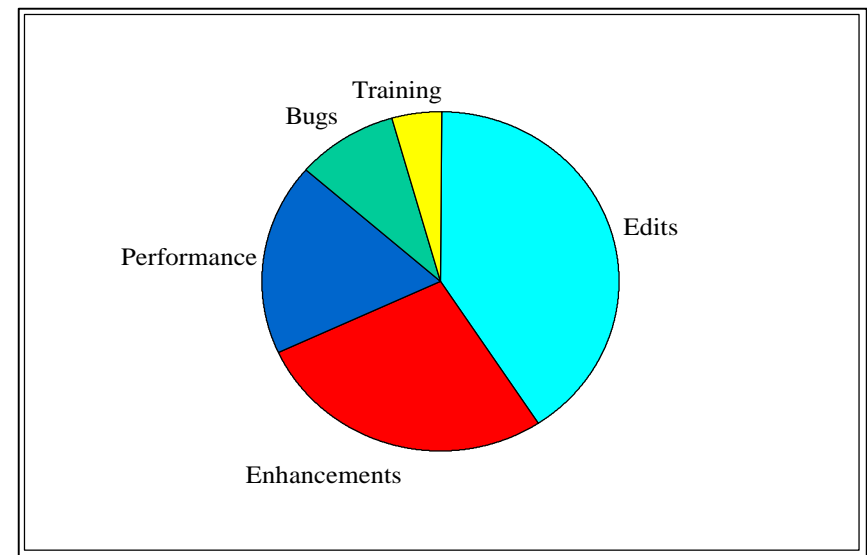
## Beta Test Results - Cycle 2

### System Investigation Requests



### Overall System Evaluation

• Poor	6%
• Satisfactory	26%
• Good	32%
• Excellent	25%



# Beta Test Results

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**The final two cycles of Beta test are taking place shortly and will continue to increase the capacity and feature set of the system**

## **Cycle 3 & 4**

- **Additional States and Departments**
- **Data Entry Tool**
- **System Administration Tool**
- **Program Administration Tool**
- **Reporting**
- **Networked and Standalone Operation**

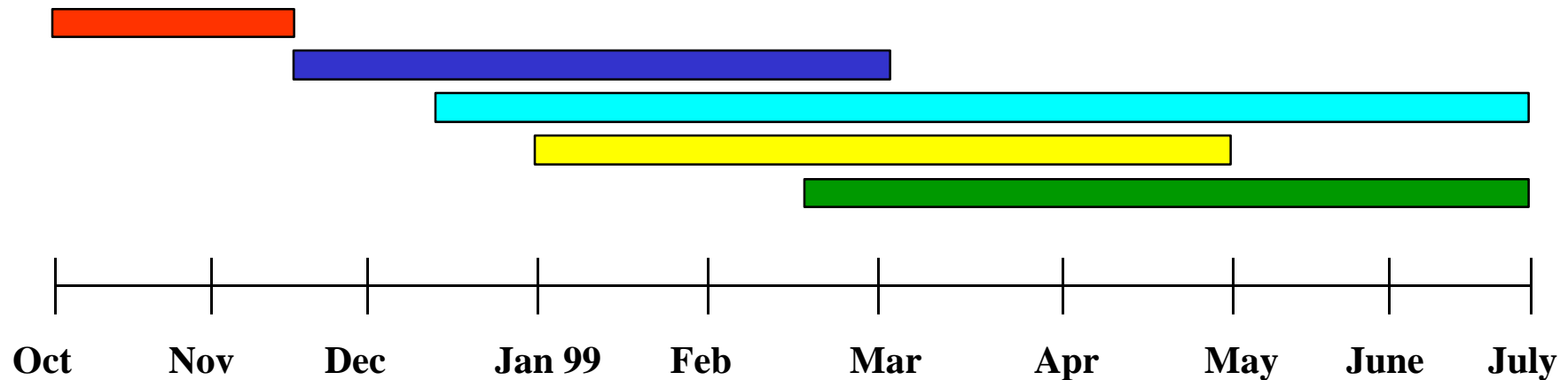
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# Implementation Overview

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- = Beta Test and Deployment Preparation
- = Implementation of First State (Michigan)
- = Begin Vendor Certification
- = Implementation of Second State
- = Implementation of Subsequent States

# **Implementation Overview**

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**The NFIRS 5.0 System provides a state flexibility when implementing**

## **Possible Implementation Paths**

- **3rd Party or Custom System Solution**
- **NFIRS 4.1**
- **“Try before you buy”**
- **Combination of NFIRS 4.1 and 5.0**
- **NFIRS 5.0**

# **Implementation Overview**

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**Prior to implementation at the State level, a variety of activities need to take place**

## **Pre-Implementation Activities**

- **Assemble State implementation team**
- **Acquire and install appropriate hardware and software**
- **Inform software vendors of state options/specifications**
- **Establish appropriate network connectivity**
- **Train System and Program Administrators**
- **Assemble and configure the State data requirements**
  - **Plus-one codes**
  - **State and Local data**
  - **Additional Validation rules**
- **Train Fire Departments**
- **Setup end-user support system**
- **Reproduction and distribution of materials**

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# **Agenda**

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**End of Presentation**